

WEST Search History

DATE: Wednesday, September 05, 2007

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	L2 and water	53
<input type="checkbox"/>	L2	L1 and (sodium chloride or magnesium chloride or calcium chloride)	53
<input type="checkbox"/>	L1	hard capsule.clm. and chloride	88

END OF SEARCH HISTORY

ACCESSION NUMBER: 1993:436974 BIOSIS Full-text
DOCUMENT NUMBER: PREV199396091599
TITLE: New hard **capsules** prepared from **water**
-soluble **cellulose** derivative.
AUTHOR(S): Matsuura, Seinosuke; Yamamoto, Taizo
CORPORATE SOURCE: Manufacturing Dep., Japan Elanco Co. Ltd., 321-5,
Ikesawa-cho, Yamatokoriyama 639-11, Japan
SOURCE: Yakuzaigaku, (1993) Vol. 53, No. 2, pp. 135-140.
CODEN: YAKUA2. ISSN: 0372-7629.
DOCUMENT TYPE: Article
LANGUAGE: Japanese
ENTRY DATE: Entered STN: 22 Sep 1993
Last Updated on STN: 23 Sep 1993

ABSTRACT: New hard **capsules** were developed using
hydroxypropylmethylcellulose (HPMC). The ordinary method "mold pin
dipping method" has become available to prepare HPMC **capsules** in
industrial scale by adjusting the gelation temperature (35 degree C) of HPMC
solution added with carrageenan (ca. 0.2%) and potassium **chloride**
(ca. 0.1%). The equilibrium moisture content of HPMC **capsules** was
about half or one third of gelatin **capsules**. HPMC **capsules**
had sufficient mechanical strength even at the low moisture content (nearly 1%)
in both the shock and the press tests. On the other hand, gelatin
capsules were brittle below 10% moisture. Therefore, HPMC
capsules will be useful for labile drugs that are affected by moisture.
The disintegration time of gelatin **capsules** filled with a macrolide
antibiotic having an aldehyde group was extensively prolonged after storage for
10 days under the condition of 60 degree C and 75% R. H. However, the
disintegration time of HPMC **capsules** did not change. More than 75%
of acetaminophen dissolved within 15 min from both **capsules**, although
the initiation time of dissolution from HPMC **capsules** delayed about 3
min compared with gelatin **capsules**. These results show that HPMC
capsules overcome some problems which the conventional gelatin
capsules have in formulation study.

CONCEPT CODE: Biochemistry studies - General 10060
Pharmacology - General 22002
INDEX TERMS: Major Concepts
Biochemistry and Molecular Biophysics; Pharmacology
INDEX TERMS: Chemicals & Biochemicals
CELLULOSE; HYDROXYPROPYLMETHYLCELLULOSE**

INDEX TERMS: **Miscellaneous Descriptors**
BENZODIAZEPINES; DIPEPTIDES; DRUG DISCOVERY; HYDANTOINS;
POLYSTYRENE-BASED SOLID SUPPORT; SYNTHETIC METHOD

REGISTRY NUMBER: 9004-34-6D (*****CELLULOSE**)
9004-65-3 (**HYDROXYPROPYLMETHYLCELLULOSE**)

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ACCESSION NUMBER: 1993:121613 BIOSIS Full-text
DOCUMENT NUMBER: PREV199395065713
TITLE: Enhancement of drug release from **ethylcellulose**
microcapsules using solid **sodium**
chloride in the wall.
AUTHOR(S): Tirkkonen, Sirpa [Reprint author]; Paronen, Petteri
CORPORATE SOURCE: Dep. Pharmaceutical Technol., Univ. Kuopio, P.O. Box 6,
SF-70211 Kuopio, Finland
SOURCE: International Journal of Pharmaceutics (Amsterdam), (1992)
Vol. 88, No. 1-3, pp. 39-51.
CODEN: IJPHDE. ISSN: 0378-5173.
DOCUMENT TYPE: Article